

CLAIMS

1. A color measuring device for irradiating measurement light onto each colored line formed in a color region of a test strip and for receiving reflected light of the measurement light to measure a color intensity of each colored line, the device comprising:

a single mount plate for mounting of a specific test strip in which at least two independent color regions are arranged in parallel to each other;

a plurality of irradiation optical systems for irradiating respective beams of measurement light onto the associated color regions of the specific test strip;

a plurality of reception optical systems for receiving respective beams of reflected light from the associated color regions;

an optical head carrying the plurality of irradiation optical systems and reception optical systems; and

a scanning mechanism for effecting relative movement between the mount plate and the optical head in a scan direction traversing each colored line.

2. The color measuring device according to Claim 1, wherein the plurality of irradiation optical systems and the plurality of reception optical systems are optically isolated from each other.

3. The color measuring device according to Claim 1 or 2, wherein the plurality of irradiation optical systems and the plurality of reception optical systems are mounted on the single optical head.

4. The color measuring device according to any one of Claims 1 to 3, wherein the scanning mechanism is arranged to move the optical head relative to the mount plate in the scan direction.

5 5. The color measuring device according to any one of Claims 1 to 4, wherein the specific test strip is housed in a casing having a plurality of measurement windows for exposing at least two color regions, and a plurality of drop windows for dropwise delivery of a sample solution to effect development in each color region.

 6. A color measuring device for measuring a color intensity of each colored line formed on a test strip, the device comprising:

 a single mount plate for mounting of the test strip;

10 an optical head carrying a plurality of pairs, each pair consisting of an irradiation optical system for irradiating measurement light toward the mount plate and a reception optical system for receiving light incident from the mount plate side; and

 a scanning mechanism for effecting relative movement between the mount plate and the optical head in a predetermined scan direction.

15 7. The color measuring device according to Claim 6, wherein the pairs of irradiation optical systems and reception optical systems are juxtaposed in a direction intersecting with the predetermined scan direction.